

Appl. No. 09/666,502
Amdt. Dated June 9, 2005
Reply to Office action of March 10, 2005
Attorney Docket No. P13438-US2
EUS/JIP/05-3131

REMARKS/ARGUMENTS

Claim Amendments

The Applicant has amended claims 2-12, 40 and 42-48; claims 1, 37-38 and 41 have been canceled and claims 49 and 50 have been added. Applicant respectfully submits no new matter has been added. Accordingly, claims 2-12, 40 and 42-50 are pending in the application. Favorable reconsideration of the application is respectfully requested in view of the foregoing amendments and the following remarks.

Examiner Objections and Allowable Subject Matter - Claims

Claims 11-12 and 48 were objected to as to being dependent upon a rejected base claim, but were indicated as being allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. As the Examiner has suggested, claims 11 and 48 have been rewritten in independent form including all limitations of the base claims and any intervening claims. Therefore no amendments have been made to narrow the scope of the pending claims or to create any sort of estoppel.

Claim Rejections – 35 U.S.C. § 103 (a)

Claims 1-10 and 37-47 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Subbiah et al. (US 6,366,961 hereinafter Subbiah) in view of Ho, et al. (US 6,578,082 hereinafter Ho). In order to expedite allowance of this application, the Applicant has canceled the claims 1 and 37-38 without prejudice. Therefore, the rejection with respect to these claims is deemed to be moot.

The Applicant's invention discloses a new architecture for GPRS/EDGE in a Base Station System. The BSS utilizes an infrastructure that is packet-switched with a connection-less orientation and can be implemented for any IP-based Radio Access Network. Circuit-switched and packet-switched services traffic can be mixed. The architecture provides Network Service Entities (same as a PCU) where each NSE includes a BVC Signaling Functional Entity, a Point to Multipoint Functional Entity and a

Appl. No. 09/586,502
Amdt. Dated June 9, 2005
Reply to Office action of March 10, 2005
Attorney Docket No. P13438-US2
EUS/J/P/05-3131

Point to Point Functional Entity. The entities are combined to route BVCI-based BSSGP packets using a message distributor unit.

The Subbiah reference appears to disclose a method and apparatus for switching packets in IP networks. A signaling scheme establishes a connection between the source and destination node, wherein channels at each intermediate node are associated for a single end-to-end connection enabling demultiplexing and multiplexing mini packets at intermediate nodes in a RAN and CN. The method includes receiving a payload including multiplexed mini-packets at a node, wherein the header of each mini-packet identifies a user and a connection. The mini-packets are analyzed for common hops and if they are destined for a local user the mini packets are transferred to the local user.

The Ho reference appears to disclose a method and apparatus for GPRS networks to control and regulate data flow between multiple sources and a single destination within a GPRS network. Ho discloses departing traffic from all of the sources conforms to peak and average rate requirements set up by the BSS/PCU. A leaky bucket flow control mechanism is used for controlling flow of data from each respective source to the single destination. A maximum bucket size of a leaky bucket and a bucket leak rate are defined for each leaky bucket flow control mechanism. A multiplier (L) is estimated and determined for each respective source based on recent data arrival behaviors of the multiple sources. When a frame of the data is sent from the respective source to the single destination, a number of bytes equal to the size of the transmitted frame times the multiplier L is added to the leaky bucket.

Neither Subbiah nor Ho disclose routing BCVI-based BSSGP packets or utilizing a plug and play application to build a BCVI-IP address /port relationship table.

Claims 2-10 depend from amended independent claim 11 and recite further limitations in combination with the allowable elements of claim 11. Claim 40 has been amended to include elements analogous to the allowable elements in claims 11 and 48. Claims 49 and 50 depend from claims 48 and 40 respectively and include the allowable

Appl. No. 09/686,502
Amdt. Dated June 9, 2005
Reply to Office action of March 10, 2005
Attorney Docket No. P13438-US2
EUS/J/P/05-3131

limitations noted in claim 12. Therefore, the allowance of claims 2-10, 40 and 41-50 is respectfully requested.

Appl. No. 09/686,502
Amdt. Dated June 9, 2005
Reply to Office action of March 10, 2005
Attorney Docket No. P13438-US2
EUS/J/P/05-3131

CONCLUSION

In view of the foregoing remarks, the Applicant believes all of the claims currently pending in the Application to be in a condition for allowance. The Applicant, therefore, respectfully requests that the Examiner withdraw all rejections and issue a Notice of Allowance for all pending claims.

The Applicant requests a telephonic interview if the Examiner has any questions or requires any additional information that would further or expedite the prosecution of the Application.

Respectfully submitted,



By Sidney L. Weatherford
Registration No. 45,602

Date: June 9, 2005

Ericsson Inc.
6300 Legacy Drive, M/S EVR 1-C-11
Plano, Texas 75024

(972) 583-8656
sidney.weatherford@ericsson.com